



## Fruity Candy

by Arya Akhavan (November 2013)

Angles for R.I. = 1.580

43 + 8 girdles = 51 facets

2-fold, mirror-image symmetry

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$L/W = 1.743$   $T/W = 1.111$   $U/W = 0.393$

$P/W = 0.554$   $C/W = 0.191$

$Vol./W^3 = 0.638$

### PAVILION

P1	43.62°	02-46-50-94	Cut to centerpoint.
P2	41.87°	03-45-51-93	Meet at culet.
G1	90.00°	96-48	Set stone width.
G2	90.00°	12-36-60-84	Meet P1, P2, G1
P3	41.20°	04-44-52-92	Meet P1, P2, G1, G2
P4	50.29°	12-36-60-84	Level girdle.
P5	63.10°	24-72	Meet P3, P4
P6	57.21°	96-48	Level girdle.
G3	90.00°	24-72	Level girdle.

### CROWN

C1	38.37°	96-48	Set girdle width.
C3	38.37°	24-72	Level girdle.
C2	33.59°	12-36-60-84	Level girdle.
C4	29.00°	01-47-49-95	Meet G1, G2, C1, C2
C5	27.09°	17-31-65-79	Meet G2, G3, C2, C3
C6	18.57°	04-44-52-92	Meet C2, C4, C5
C7	17.83°	24-72	Meet C3, C5
T	0.00°	Table	Meet C5, C6, C7

I wanted to design a cut-corner rectangle for long crystals like the beryls and tourmaline. Took me forever to get a good pavilion on this one - it performs very well with good return, but only in a limited range of materials. And yes, the name is a play on a well-known fruit-flavoured hard candy. Works in materials from beryl to tanzanite (RI = 1.58 - 1.69) with no changes, but I prefer rubellite tourmaline.

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